

U.S. Patent Application Serial No. 09/464,449
Reply to Office Action dated June 23, 2004
Response dated September 23, 2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An image formation apparatus comprising:

an image storage means for storing image information;

a read-out means for assigning an image information read-out position of the image storage means to read out the image information:

an image transfer unit for transferring an image onto a paper in accordance with the image information read out by the read-out means from the image storage means; and

an accuracy information storage means for storing ~~position accuracy information in a scanning direction of the image transfer unit~~ curvature correction information and/or dot-pitch correction information, wherein said curvature correction information is obtained based on the measurement result of the position curvature information in the scanning direction of an exposure portion of the image transfer unit, and said dot-pitch correction information is obtained by measuring the dot-pitch of the exposure portion,

wherein the read-out means has a means for reading out the position accuracy information from the accuracy information storage means and correcting the image information read-out position by the position accuracy information,

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~~wherein the position accuracy information stored in the accuracy information storage means is a combination of curvature correction information and/or and dot-pitch correction information and oblique correction information of the image transfer unit.~~

Claims 2-3 (canceled)

Claim 4 (currently amended): An image formation apparatus according to claim 1, wherein the ~~position accuracy information~~ curvature correction information and/or dot-pitch correction information is stored in the accuracy information storage means per image transfer unit.

Claim 5 (original): An image formation apparatus according to claim 1, wherein correction of the image information read-out position by the read-out means is conducted per image transfer unit.

Claim 6 (currently amended): An image formation apparatus according to claim 1, wherein the accuracy information storage means ~~for storing therein the position accuracy information~~ is installed in the image transfer unit.

Claims 7-8 (cancel)

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Claim 9 (Previously Presented): An image formation apparatus according to claim 1, wherein correction of the image information read-out position by the read-out means is conducted per image transfer unit through an operation based upon the curvature correction information and/or the dot-pitch correction information and the oblique correction information.

Claim 10 (currently amended): An image formation apparatus according to claim 1, wherein ~~means for storing the curvature correction information and/or the dot-pitch correction information in the accuracy information storage means~~ is installed in the image transfer unit, whereby the image transfer unit may be replaced by another image transfer unit.

Claim 11 (original): An image formation apparatus to claim 10, wherein at least one of the curvature correction information and the dot-pitch correction information is transmitted by a transmission line used for reading out the image information from the image storage means, and is read out by the read-out means.

Claim 12 (original): An image formation apparatus according to claim 10, wherein at least one of the curvature correction information and the dot-pitch correction information is transmitted by a transmission line used for reading out the image information from the image storage means, and is stored in the accuracy information storage means.

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Claim 13 (currently amended): An image ~~exposure apparatus~~ transfer unit, wherein ~~position accuracy information is stored in an internal accuracy information storage means, curvature correction information and/or dot-pitch correction information is stored in an accuracy information storage means of an exposure portion of the image~~ transfer unit, and

wherein said curvature correction information is obtained based on the measurement result of the position curvature information in the scanning direction of the exposure portion, and said dot-pitch correction information is obtained by measuring the dot-pitch of the exposure portion.

~~wherein means for storing curvature correction information and/or the dot-pitch correction information in the accuracy information storage means is installed in an image transfer unit, whereby the image transfer unit may be replaced by another image transfer unit;~~

~~wherein the image exposure apparatus comprises an LED.~~

Claims 14-15 (canceled)